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ANNOUNCEMENT AND CALL FOR PAPERS
ABSTRACT DEADLINE: November 15, 2002

25th

Symposium on Biotechnology for Fuels and Chemicals

Hosted by the National Renewable Energy Laboratory



Beaver Run Resort
Breckenridge, Colorado
May 4-7, 2003

BIOTECHNOLOGY

The 25th Symposium on Biotechnology for Fuels and Chemicals...

continues a symposium series that focuses on improving the economics of fuels and chemicals production. This year's program provides an excellent opportunity for experts from around the world to gather and discuss the latest research breakthroughs and results in biotechnology. A variety of formal technical sessions, a poster session, and informal discussion groups will stimulate the exchange of new information among attendees from industrial, academic, and government sectors. Participant experiences will be enhanced by optional tours and social activities that take advantage of the Symposium's location high in Colorado's beautiful Rocky Mountains.

Views of the
Rocky Mountains
and downtown
Breckenridge, CO.



TECHNICAL SESSIONS

Session 1A* Feedstock Supply, Logistics, Processing, and Composition

Chair: Jim Hettenhaus, c.e.a. Inc.

Co-chair: David Morris, Institute for Local Self-Reliance

Topics for this session include sustainability considerations, environmental and economic impacts, innovative collection, storage and transportation methods, and plant science applications.

Session 1B* Enzyme Catalysis and Engineering

Chair: Liisa Viikari, VTT

Co-chair: Mike Himmel, National Renewable Energy Laboratory

Speakers will focus on how to identify, modify, develop, cost effectively produce and use enzymes to carry out a myriad of biological/chemical transformations.

Session 2 Microbial Catalysis and Engineering

Chair: Tom Jeffries, University of Wisconsin

Co-chair: Lee Lynd, Dartmouth University

This session will focus on finding new and further developing existing micro-organisms for improved performance to produce fuels and chemicals.

Session 3 Bioprocessing, Including Separations

Chair: Dale Monceaux, Katzen International, Inc.

Co-chair: David Short, Dupont

This session will cover reactor configurations and the integration of engineering with microbiology, biochemistry, and chemistry to produce fuels and chemicals.

Session 4 Biotechnology for Fuels and Chemicals— Past, Present, and Future

Chair: Chuck Scott, Oak Ridge National Laboratory, emeritus

Co-chair: Charles Wyman, Dartmouth University

This session will reflect on the evolution of biotechnology, industry, and this Annual Symposium for sustainable production of fuels and chemicals and propose future developments that could enhance the impact.

Session 5 Biobased Industrial Chemicals

Chair: Doug Cameron, Cargill, Inc.

Co-chair: Marion Bradford, Tate and Lyle, retired

The production of chemicals and other value-added bioproducts from biological rather than petrochemical routes will be discussed at this session. Advances in process integration, demonstration, economics, and commercialization will be highlighted.

Session 6A* Biomass Pretreatment and Hydrolysis

Chair: Y.Y. Lee, Auburn University

Co-chair: Bruce Dale, Michigan State University

Novel reactor configurations as well as new process approaches to pretreat and saccharify biomass will be the focus of this session.

Session 6B* Plant Biotechnology and Feedstock Genomics

Chair: Jim McLaren, Inverizon International

Co-chair: Steve Thomas, National Renewable Energy Laboratory

The sustainable success of bioenergy and bioproducts requires new approaches. The potential impact of transgenic, genetic, and genomic-based modifications to the architectural, compositional, or metabolic functions of plants will be discussed in relation to an enhanced renewables base.

SPECIAL TOPICS

A)* Microbial Pentose Metabolism

Chair: Bärbel Hahn-Hägerdal, Lund University

Co-chair: Neville Pamment, Melbourne University

B)* International Bioenergy Agency Bioethanol Meeting— Current State of Fuel Ethanol Commercialization

Chair: Jack Saddler, University of British Columbia

* Concurrent Sessions.

CALL FOR PAPERS

The 25th Symposium session chairs and co-chairs invite you to submit abstracts for any of the session topics or special topics included in the technical program.

ABSTRACT DEADLINE November 15, 2002

AUTHOR NOTIFICATION December 15, 2002

PAPERS DUE May 4, 2003

For poster or oral presentations, please e-mail abstracts to **Liz_Willson@NREL.gov**. Only electronic files will be accepted. The abstract should be one-page, 150-200-word count and include the following information. Use 12-point Times New Roman, in Microsoft Word, if possible.

Title (14 point bold)

Author(s), with presenter underlined

Corresponding author (* following name)

Affiliation of all authors

Address to send correspondence

Phone, Fax , E-mail address

Presentation Format: Designate Session Number, and Oral Presentation or Poster Session Preference

See www.nrel.gov/biotech_symposium/ for abstract submittal details and sample abstracts.

Poster and oral presenters are eligible and encouraged to submit manuscripts for inclusion in the proceedings.

Please notify us if you are a student, as awards will be given for the best student posters.

Poster space is limited. Please do not submit an abstract if you are not committed to presenting.

LODGING

Beaver Run Resort

Breckenridge, CO
www.beaverrun.com

Phone: 800.525.2253
brgroups@colorado.net

In order to guarantee the conference rate, hotel reservations must be made by April 10, 2003. Refer to the "Biotechnology Symposium" when making phone reservations. Ask about suites and other larger rooms at cost-saving rates. A major credit card for the cost of one night's lodging is required for a deposit within 10 days of booking the reservation. Check in time is 4:00 p.m. Check out time is 11:00 a.m. A complimentary *Internet Cafe* will be set up for conference participants to provide internet access for those wishing to check their e-mail.

SITE DETAILS

Breckenridge, Colorado is an historic mining town located about 100 miles (161 kilometers) west of Denver International Airport in the heart of the Rocky Mountains. Settled in 1859 as a gold and silver mining town, it was named after then Vice President John Cabell Breckinridge in 1860 in hopes of gaining a post office. An idyllic Victorian town with a charming main street, Breckenridge has more than a hundred shopping and dining options to satisfy every taste. A free town shuttle makes getting around town easy and convenient.

At an altitude of 9600 feet (2926 meters), Breckenridge enjoys a high alpine climate. May weather is unpredictable. Clear sunny skies are the Colorado norm, but we could still get a late season snowstorm. Expect pleasant days and cool nights. The ski slopes will probably be closed for the season, but with annual snowfall averaging in excess of 250" (6.3 meters), there may still be some snow around. In addition to skiing, Breckenridge offers great hiking, horseback riding, mountain biking, fly-fishing, canoeing, golf and other outdoor activities, as well as indoor nightlife.

TRANSPORTATION

Air travel reservations should be made to Denver International Airport (DIA). Shuttle service from DIA to Beaver Run Resort is provided by Resort Express at 800.334.7433. The cost is \$52 each way (subject to change). It takes about two and a half hours and is highly recommended. We may also set up special group shuttles for the symposium.

If you will be arriving late Friday night, May 2nd or Saturday night, May 3rd, the Marriott Gateway Park Hotel (303.371.4333) at the airport is holding rooms for those nights for Biotechnology Symposium attendees for \$79.

REGISTRATION

REGISTRATION FEES:

Before April 1, 2003

Full Conference Registration: . . . \$450

One-Day Registration: \$200

Student Registration: \$175

After April 1, 2003

Full Conference Registration: . . . \$500

One-Day Registration: \$250

Student Registration: \$225

Full conference registration includes the welcome reception, continental breakfasts, daily refreshments, a poster reception/buffet supper, the conference banquet, and conference Proceedings and materials. One day and student registration fees do NOT include the proceedings.

Refund/Cancellation: We understand that sometimes plans change. All refund requests submitted in writing and postmarked by April 15, 2003 will be issued in full. Cancellation requests received after April 15, 2003 will not be refunded. Substitutions may be made at any time.



Printed with a renewable-source ink on paper containing at least 50% wastepaper, including 20% postconsumer waste.

CONTACT INFORMATION

For more—and continually updated—information about the 25th Symposium, visit www.nrel.gov/biotech_symposium, or contact the conference organizers.

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SPONSORSHIP OPPORTUNITIES

Sponsorship opportunities for companies and organizations are still available. In addition to public recognition, sponsors may receive a complimentary registration. For more information about sponsorship opportunities, please contact Mark Finkelstein or Brian Davison, listed in the contact information.